

CLAIM AMENDMENTS

1. (previously presented): An extraction unit comprising:
a carrier, and;
an extraction device for mating with the carrier having a first end and a second end, comprising;
 a carrier-receiving portion at a the first end; and
 a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;
 wherein the carrier receiving portion mates with the carrier, closes the first opening, seals the first opening to prevent fluid flow, and forms a reservoir.
2. (previously presented): The extraction unit of claim 1 wherein the reservoir has a volume of approximately 0.01 to 250 µL.
3. (previously presented): The extraction unit of claim 1 wherein the second end is adapted to mate with a vessel such that the vessel is in fluid communication with the conduit
4. (currently amended): The extraction unit of claim 1 wherein non-specifically transferred material is present on the carrier and some non-specifically transferred material is excluded from the reservoir.
5. (currently amended): An extraction unit comprising:
a carrier, and;
an extraction device for mating with the carrier having a first end and a second end, comprising;
 a carrier-receiving portion at a the first end; and

a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;

wherein the carrier receiving portion mates with the carrier, closes the first opening, seals the first opening to prevent fluid flow, and forms a reservoir; and
~~The extraction unit of claim 1~~ wherein at least a portion of an extending feature on the carrier is excluded from the reservoir.

6. (original): An extraction device for mating with a carrier comprising:
 - a carrier-receiving portion at a first end; and
 - a conduit interconnected to the carrier-receiving portion; the conduit extending between the carrier receiving portion and a second end;
wherein the carrier-receiving portion is adapted to receive a carrier having a transfer film such that the reservoir is formed and at least a portion of the transfer film is disposed within the reservoir.
7. (original): The extraction device of claim 6 wherein the carrier-receiving portion is adapted to receive the carrier such that at least a portion of the transfer film is disposed outside the reservoir.
8. (original): The extraction device of claim 7 wherein the at least a portion of the transfer film disposed outside the reservoir includes at least one stand-off portion.
9. (original): The extraction device of claim 7 wherein at least a portion of the transfer film disposed outside the reservoir includes matter transferred to the transfer film by non-specific transfer microcapture.
10. (original): The extraction device of claim 6 wherein the at least a portion of the transfer film disposed within the reservoir includes matter transferred to the transfer film by specific transfer microcapture.

11. (previously presented): An extraction device for mating with a carrier comprising:

- a carrier-receiving portion at a first end; and
- a conduit interconnected to the carrier-receiving portion;

wherein the carrier-receiving portion is adapted to receive a carrier to form a reservoir and further adapted to selectively cover at least a portion of the carrier, and

wherein the at least a portion of the carrier includes an extending feature, and at least a portion of the extending feature is sealed from the reservoir.

12. (previously presented): The extraction device of claim 11 wherein non-specifically transferred material is on the portion of the extending feature sealed from the reservoir.

13. (previously presented): The extraction device of claims 11 or 12 wherein the extending feature comprises one or more stand-offs or spacers.

Claims 14-78 (canceled)

79. (previously presented): A method for extracting matter on a carrier comprising the steps of:

- providing a carrier having a transfer film;
- transferring matter to the transfer film;
- providing an extraction device with a conduit having a first opening and a second opening;
- mating the carrier to the extraction device to close the first opening;
- forming a reservoir with the transfer film;
- providing fluid to the reservoir via the second opening in the conduit to extract matter from the transfer film; and
- removing the fluid from the reservoir.

80. (currently amended): The method of claim 79 wherein the step of transferring matter [[ot]]to the transfer film includes transferring matter to the transfer film by specific transfer microcapture; and

 further including the step of disposing matter that is adhered to the transfer film by specific transfer microcapture within the reservoir.

81. (original): The method of claim 79 wherein the step of transferring matter to the transfer film includes transferring matter to the transfer film by non-specific transfer microcapture; and

 further including the step of substantially excluding matter that is adhered to the transfer film by non-specific transfer microcapture from the reservoir.

82. (original) The method of claim 79 wherein the step of providing a carrier having a transfer film includes providing a carrier with at least one stand-off portion; and further including the step of covering the at least one stand-off portion.

Claims 83-92 (canceled)

93. (currently amended): An extraction unit comprising:

 a carrier having a bottom surface; and

 a device adapted for mating with the carrier, the device having;

 a carrier-receiving portion at a first end; and

 a conduit interconnected to the carrier-receiving portion, the conduit having a first opening at the carrier-receiving portion;

 wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and to close the first opening to prevent fluid flow across the first opening and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir.

94. (currently amended): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having:
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a
reservoir and wherein the device excludes at least a portion of the bottom surface of the
carrier from the reservoir; and

~~The extraction unit of claim 93 wherein the bottom surface of the carrier has~~
extending features and the extending features are excluded from the reservoir.

95. (currently amended): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having:
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a
reservoir and wherein the device excludes at least a portion of the bottom surface of the
carrier from the reservoir; and
wherein the bottom surface of the carrier has extending features and the extending
features are excluded from the reservoir; and

~~The extraction unit of claim 94 wherein the extending features comprise one or~~
more stand-offs or spacers.

96. (currently amended): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having:
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a
reservoir and wherein the device excludes at least a portion of the bottom surface of the
carrier from the reservoir; and

~~The extraction unit of claim 93~~ wherein the bottom surface of the carrier has a transfer film and at least a portion of the transfer film is excluded from the reservoir.

97. (previously presented): The extraction unit of claim 93 wherein the bottom surface of the carrier has a non-specifically transferred material and at least a portion of the non-specifically transferred material is excluded from the reservoir.

98. (previously presented): The extraction unit of claim 93 wherein the extraction device has a second end, the second end being adapted to mate with a vessel such that the vessel is in fluid communication with the reservoir.

99. (previously presented): The extraction unit of claim 98 wherein the vessel is a centrifuge tube or a microtiter plate.

100. (currently amended): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having;
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion, the conduit having a first opening at the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and to close the first opening and to prevent fluid flow across the first opening and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir.

101. (currently amended): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having;
a carrier-receiving portion at a first end; and
a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and

~~The extraction unit of claim 100 wherein the bottom surface of the carrier has extending features and the device covers the extending features.~~

102. (currently amended): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having:
 a carrier-receiving portion at a first end; and
 a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has extending features and the device covers the extending features; and

~~The extraction unit of claim 101 wherein the extending features comprise one or more stand-offs or spacers.~~

103. (currently amended): An extraction unit comprising:
a carrier having a bottom surface; and
a device adapted for mating with the carrier, the device having:
 a carrier-receiving portion at a first end; and
 a conduit interconnected to the carrier-receiving portion;
wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and

~~The extraction unit of claim 100 wherein the bottom surface of the carrier has a transfer film and the device covers at least a portion of the transfer film.~~

104. (previously presented): The extraction unit of claim 100 wherein the bottom surface of the carrier has a non-specifically transferred material and the device covers at least a portion of the non-specifically transferred material.

105. (currently amended): An extraction unit comprising:
a carrier, and;
an extraction device for mating with the carrier having a first end and a second
end, comprising:
 a carrier-receiving portion at a the first end; and
 a conduit interconnected to the carrier-receiving portion; the conduit
extending between a first opening at the carrier-receiving portion and a second opening at
the second end;
 wherein the carrier receiving portion mates with the carrier, closes the first
opening, seals the first opening to prevent fluid flow, and forms a reservoir; and
 wherein at least a portion of an extending feature on the carrier is excluded from
the reservoir; and

~~The extraction device of claim 5~~ wherein the extending features comprise one or more stand-offs or a spacers.

106. (previously presented): A method for extracting matter on a carrier comprising the steps of:

 providing a carrier having a transfer film;
 transferring matter to the transfer film;
 providing an extraction device with a first end and a second end and a conduit extending between the first and second end, the conduit having a first opening at the first end and a second opening at the second end;
 mating the carrier to the first end of the extraction device to close the first opening of the conduit to form a reservoir that contains at least a portion of the transfer film;
 providing fluid to the reservoir through the second opening to extract matter from the transfer film;
 mating a vessel to the second end of the extraction device; and

transferring the fluid from the extraction device into the vessel through the second opening.

107. (previously presented): The method of claim 106 wherein the step of transferring the fluid from the extraction vessel uses centrifugation.

108. (previously presented): The method of claim 106 wherein the step of transferring the fluid from the extraction vessel is performed without separating the carrier or the vessel from the extraction device.